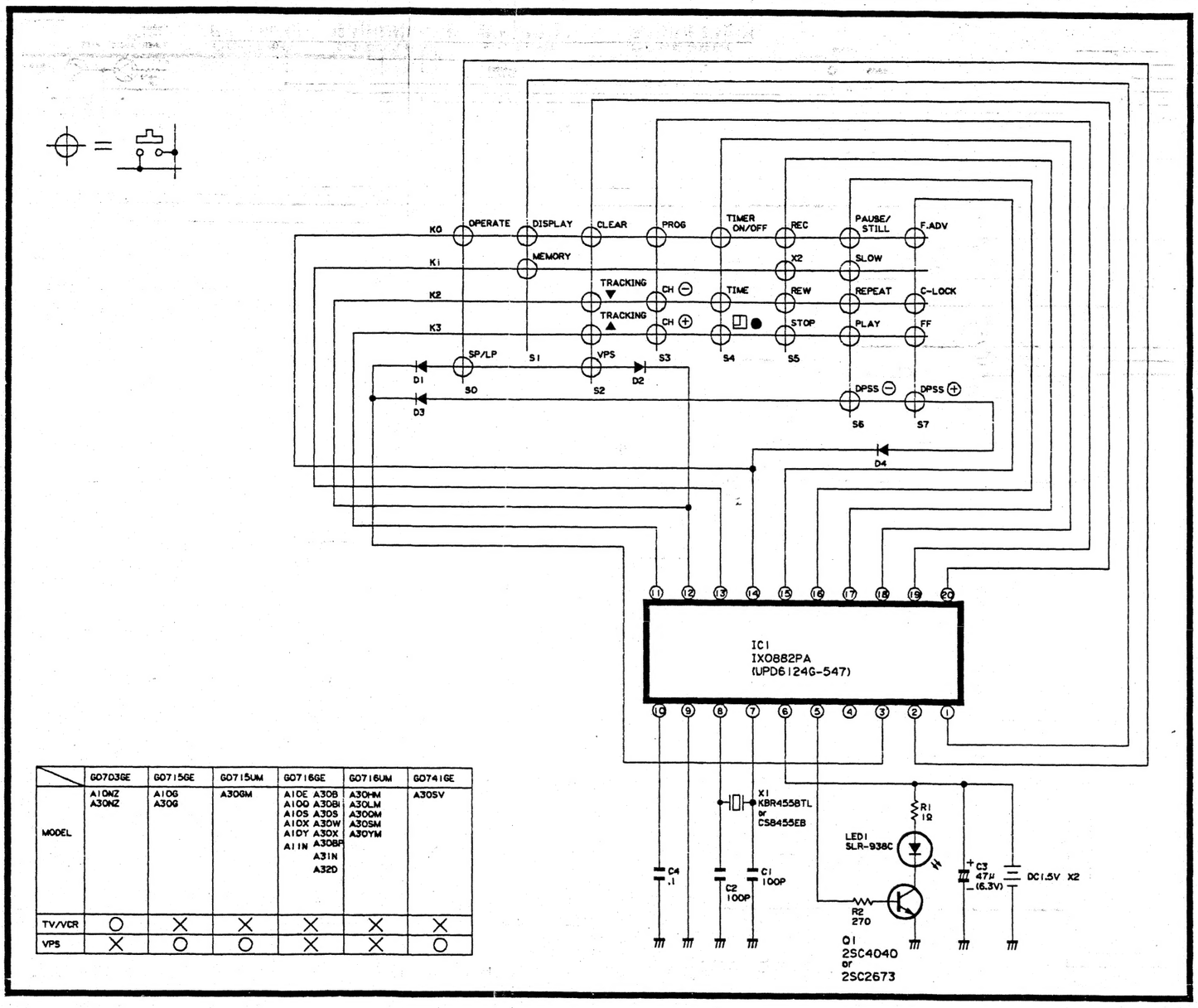
SHARP

VC-A30BP

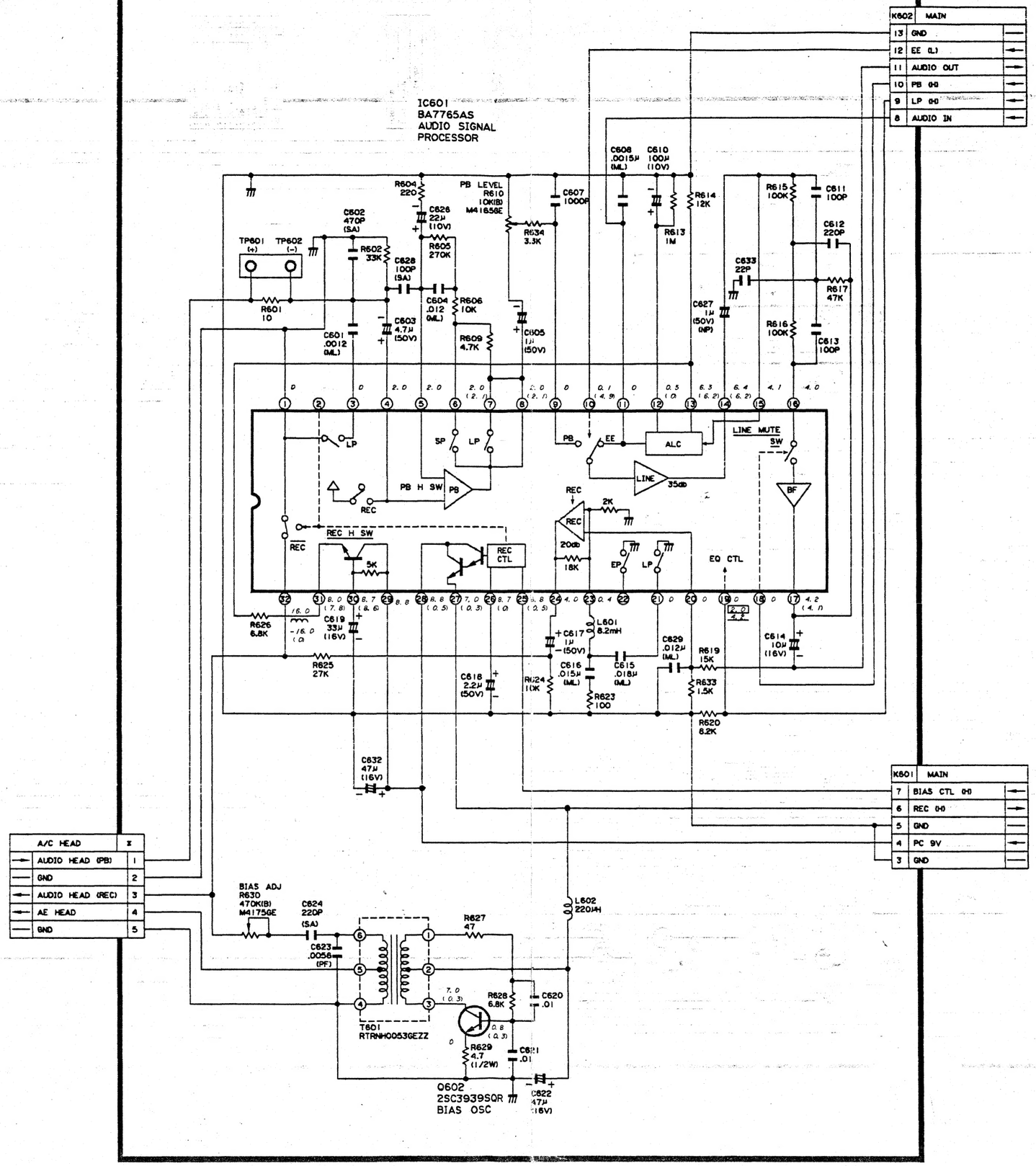
SERVICE MANUAL

VIDEO CASSETTE RECORDER

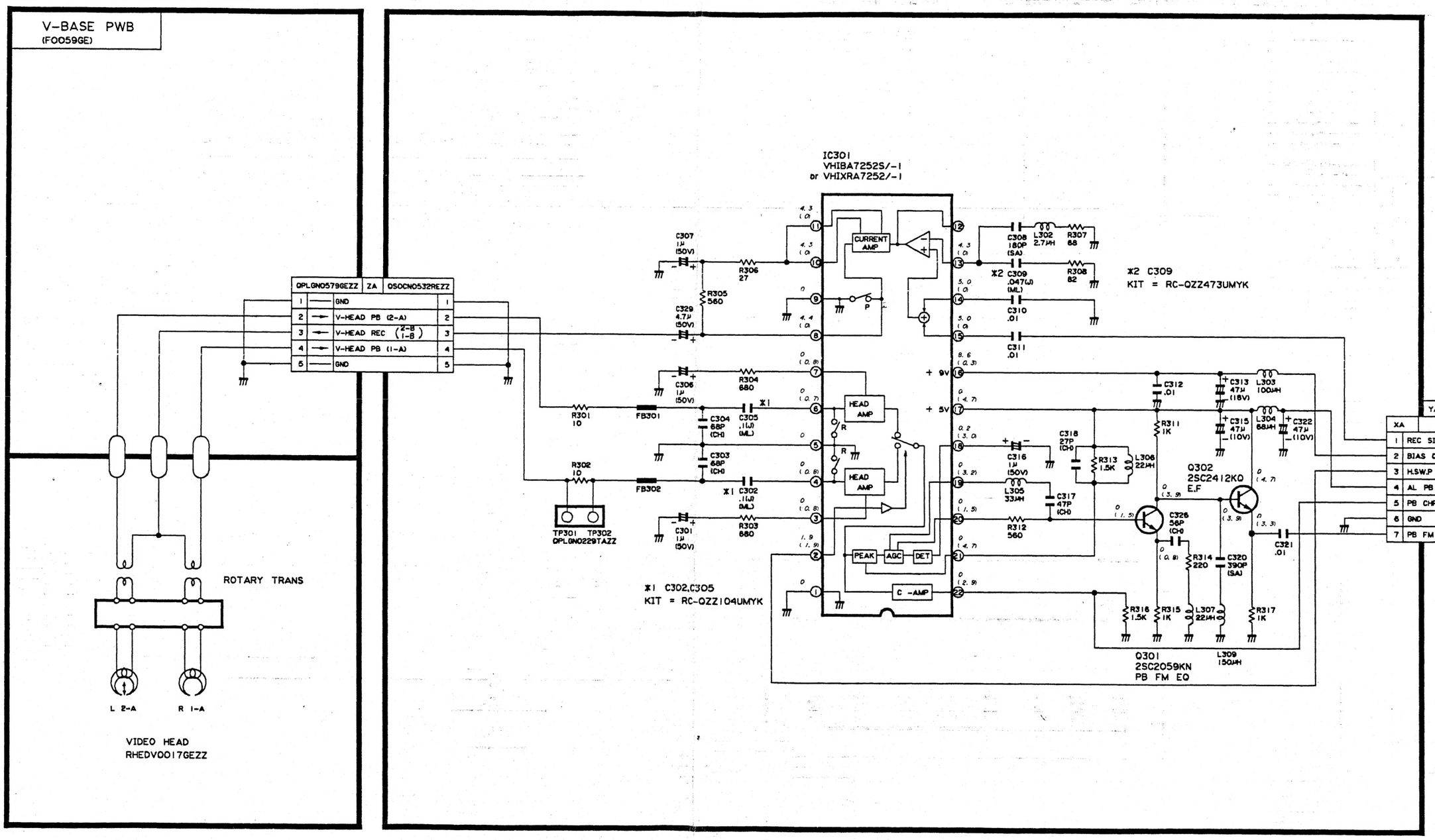
INFRARED REMOTE CONTROL



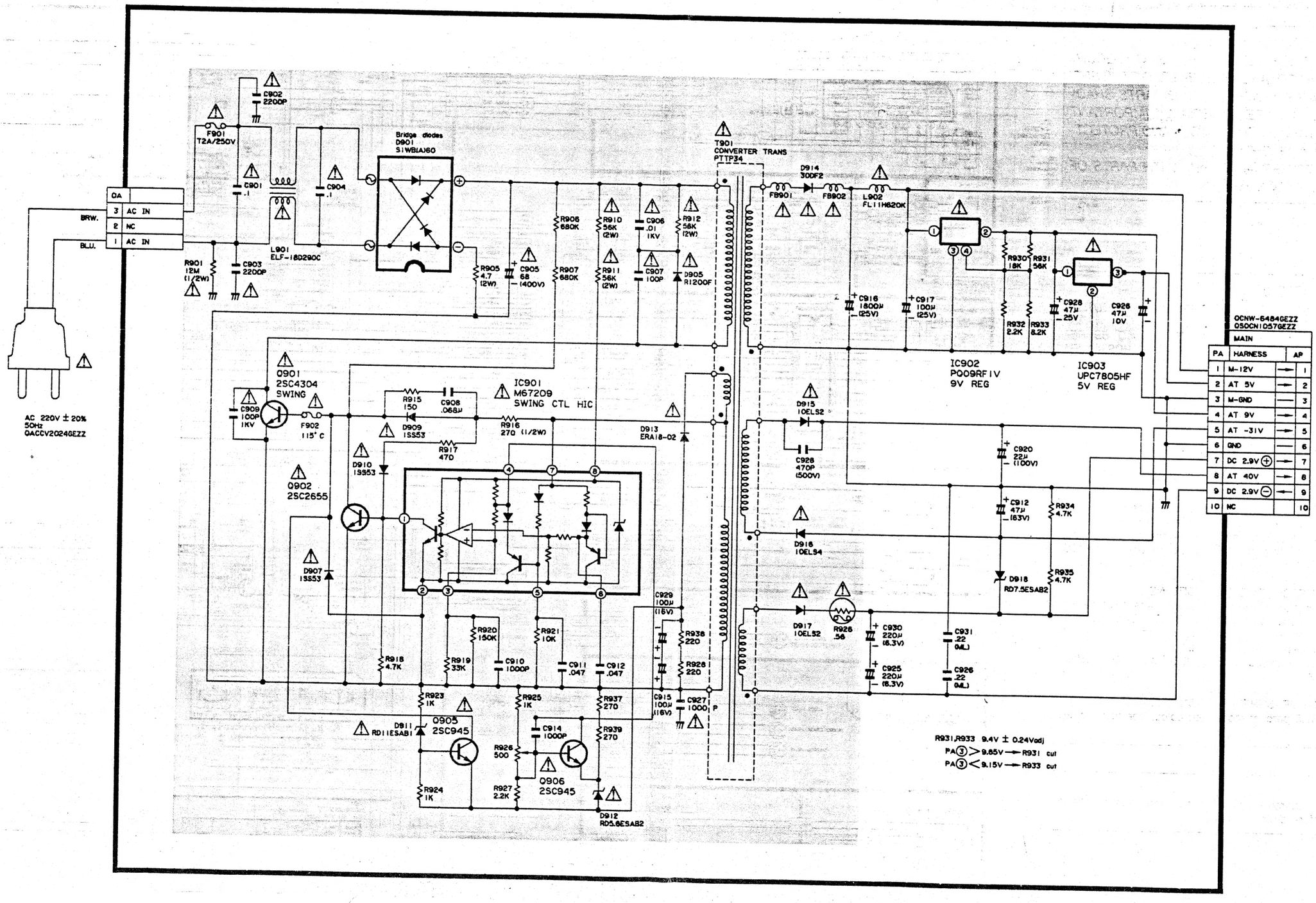
	GD703GE	GD715GE	GD715UM	GD716GE	GD716UM	GD741GE
MODEL	A10NZ A30NZ	A10G A30G	A306M	A10E A30B A10Q A30Bi A10S A30S A10X A30W A10Y A30X A11N A30BP A31N A32D	A30HM A30LM A30OM A30SM A30YM	A30SV
TV/VCR	○	×	×	×	×	×
VPS	×	○	○	×	×	○


IC601
BA7765AS
AUDIO SIGNAL
PROCESSOR
K602 MAIN
13 GND
12 EE (L)
11 AUDIO OUT
10 PB (H)
9 LP (H)
8 AUDIO IN
K601 MAIN
7 BIAS CTL (H)
6 REC (H)
5 GND
4 PC 9V
3 GND
A/C HEAD
AUDIO HEAD (PB) 1
GND 2
AUDIO HEAD (REC) 3
AE HEAD 4
GND 5
PB LEVEL R610 10K(B) M41656E
R604 220
C626 22µ (10V)
R605 270K
C607 1000P
C608 .0015µ (ML)
C610 100µ (10V)
R614 12K
R613 1M
R634 3.3K
C602 470P (SA)
R602 33K
C628 100P (SA)
C604 .012 (ML)
R606 10K
C603 4.7µ (50V)
R609 4.7K
C605 1µ (50V)
C601 .0012 (ML)
TP601 (+)
TP602 (-)
R601 10
R615 100K
C611 100P
C612 220P
C633 22P
R617 47K
C627 1µ (50V) (NP)
R616 100K
C613 100P
LP
SP
PB
EE
ALC
LINE MUTE SW
LINE 35db
PB H SW
REC
REC H SW
REC CTL
2K
20db
18K
EP
EQ CTL
BF
5K
R626 6.8K
C619 33µ (16V)
R625 27K
C617 1µ (50V)
L601 8.2mH
C616 .015µ (ML)
C615 .018µ (ML)
C618 2.2µ (50V)
R624 10K
R623 100
C629 .012µ (ML)
R619 15K
R633 1.5K
R620 6.2K
C614 10µ (16V)
C632 47µ (16V)
BIAS ADJ R630 470K(B) M41756E
C624 220P (SA)
C623 .0056 (PF)
T601 RTRNH0053GEZZ
R627 47
L602 220µH
R628 6.8K
C620 .01
R629 4.7 (1/2W)
C621 .01
C622 47µ (16V)
Q602 2SC3939SQR
BIAS OSC

HEAD AMPLIFIER CIRCUIT



POWER CIRCUIT



VC-A30BP

IMPORTANT SAFETY NOTICE:
BE SURE TO USE GENUINE PARTS FOR SECURING THE SAFETY AND RELIABILITY OF THE SET. PARTS MARKED WITH " " AND PARTS SHADED (IN BLACK) ARE ESPECIALLY IMPORTANT FOR MAINTAINING THE SAFETY AND PROTECTING ABILITY OF THE SET.
BE SURE TO REPLACE THEM WITH PARTS OF SPECIFIED PART NUMBER.

SAFETY NOTES:

1. *DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.*
2. *SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.*

NOTES:

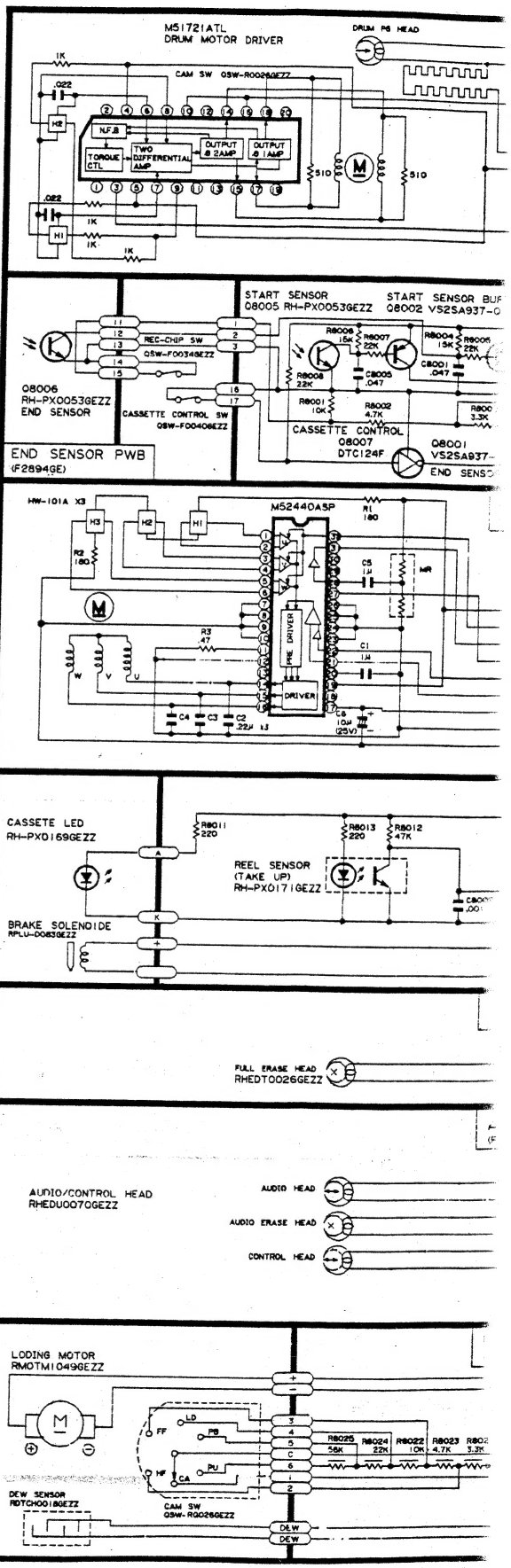
1. *The unit of resistance "ohm" is omitted (k = 1000 ohm, M = 1 Meg ohm).*
2. *All resistors are 1/8 watt, unless otherwise noted.*
3. *The unit of capacitance "F" is omitted (μ = μF, ϱ = $\mu\mu$F).*
4. The values in parentheses are the ones in the PB mode; the values without parentheses are the ones in the REC mode.

VOLTAGE MEASUREMENT CONDITIONS:

1. DC voltages are measured between points indicated and chassis ground by VTVM, with AC100V~240V, 50/60Hz supplied to unit and all controls are set to normal viewing picture unless otherwise noted.
2. Voltages are measured with 10000μV B & W or colour signal.

WAVEFORM MEASUREMENT CONDITIONS:
10000μV 87.5 percent modulated colour ber signal is fed into tuner:

CAUTION:
This circuit diagram is original one. Therefore there may be a slight difference from yours.



30BP

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set to normal viewing

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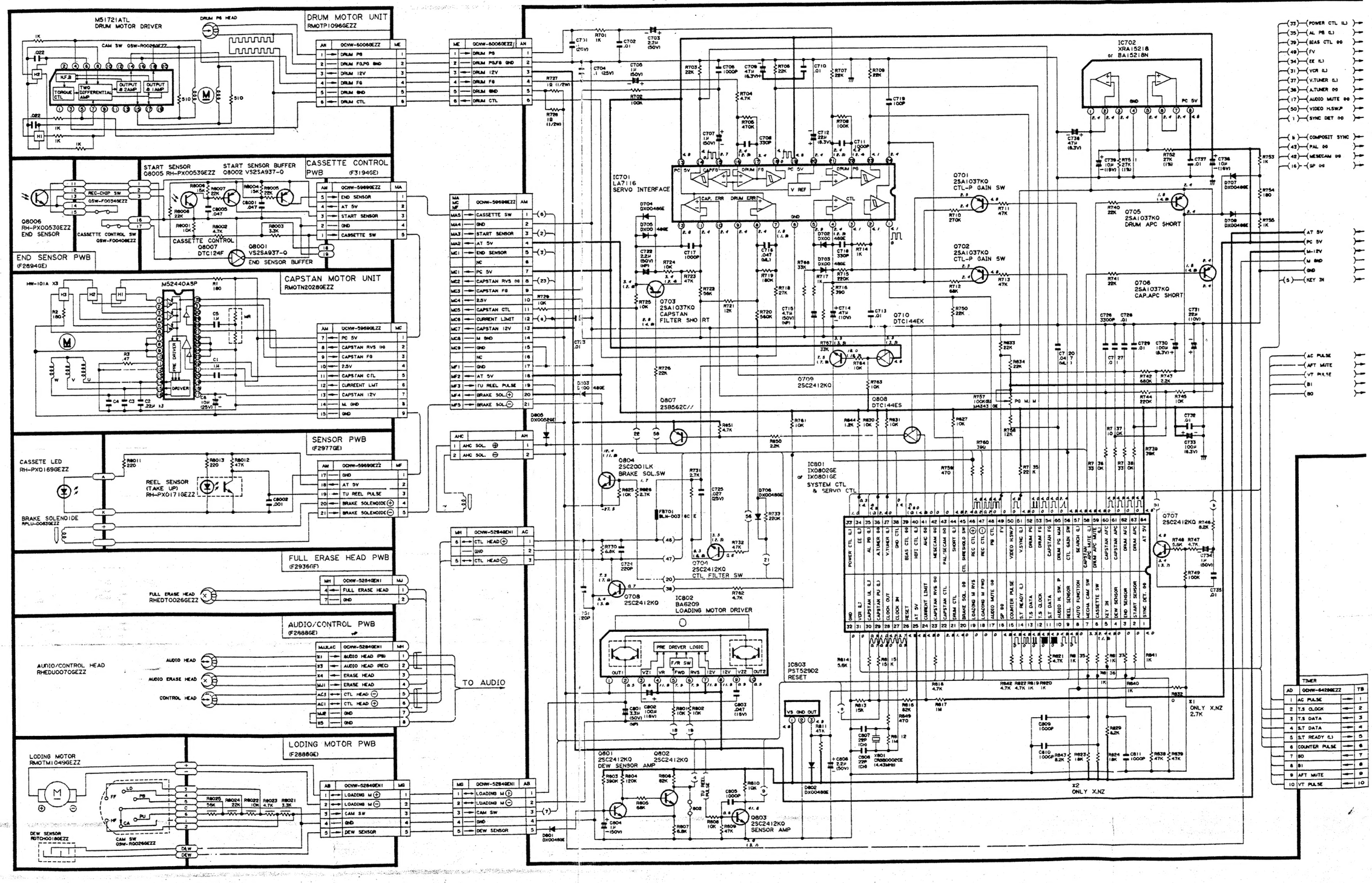
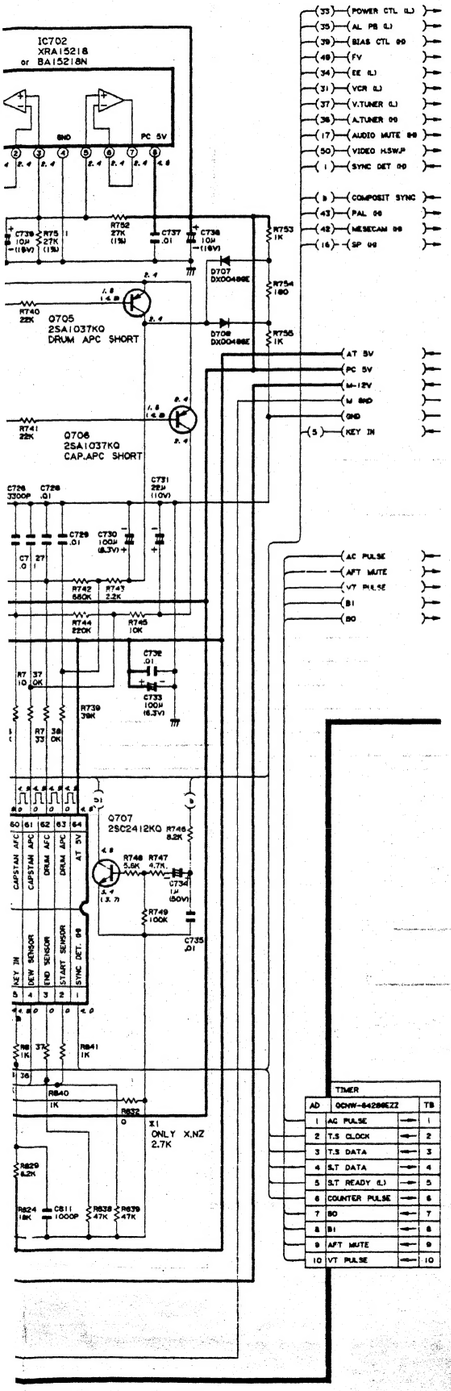
MAIN CIRCUIT (1)

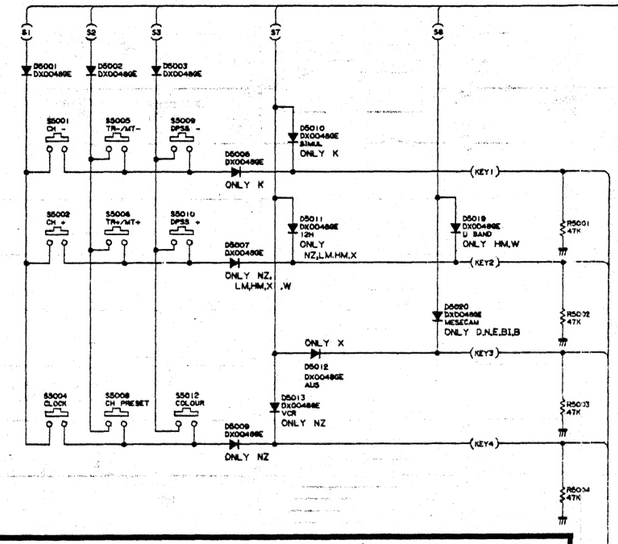


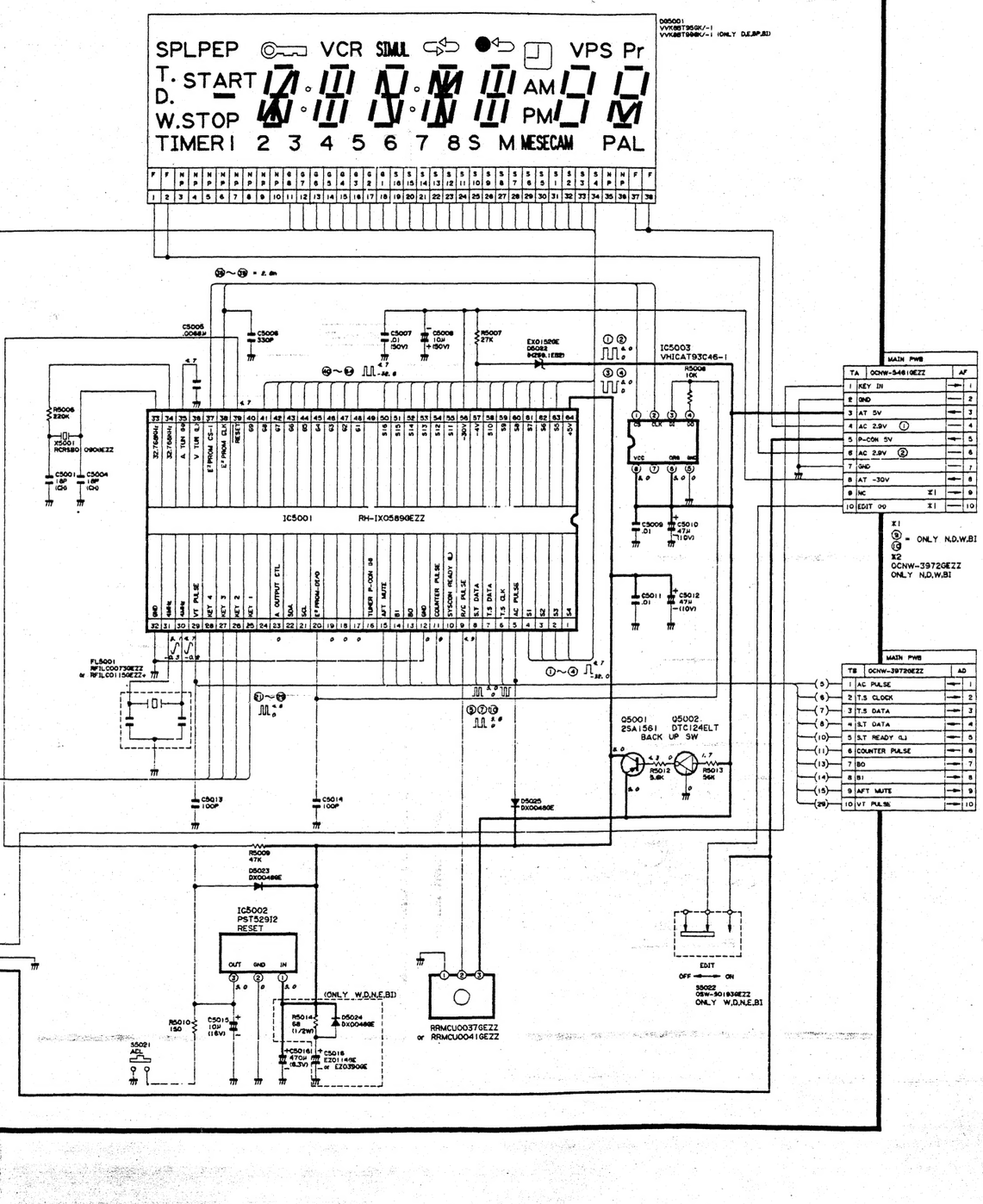
OPERATION CIRCUIT / TIMER CIRCUIT

TIMER

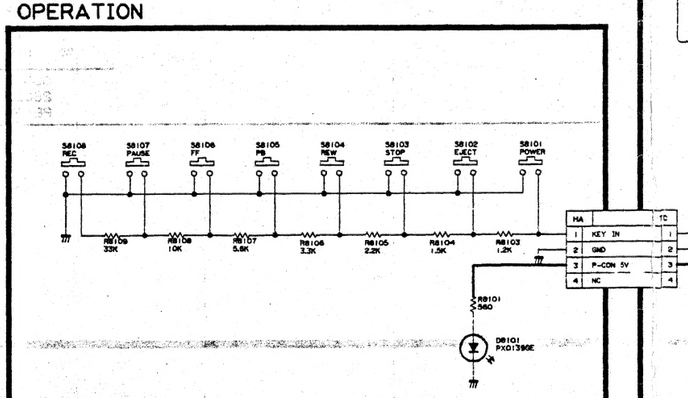
DIODE : RH-DX0048GEZZ±
or RH-DX0053GEZZ± (KIT)
KEY SW : QSW-K0079GEZZ+
or QSW-K0052GEZZ



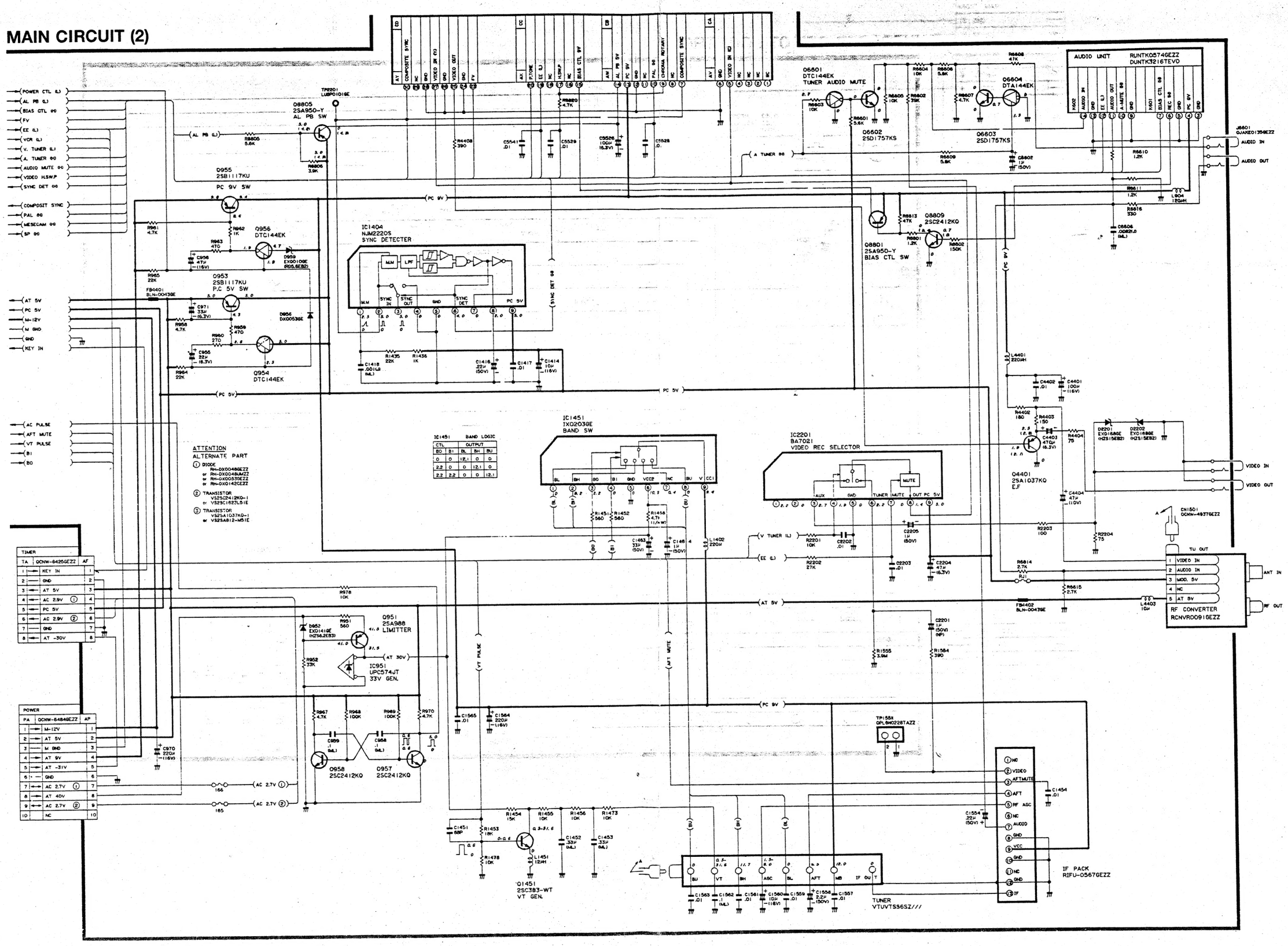




OPERATION

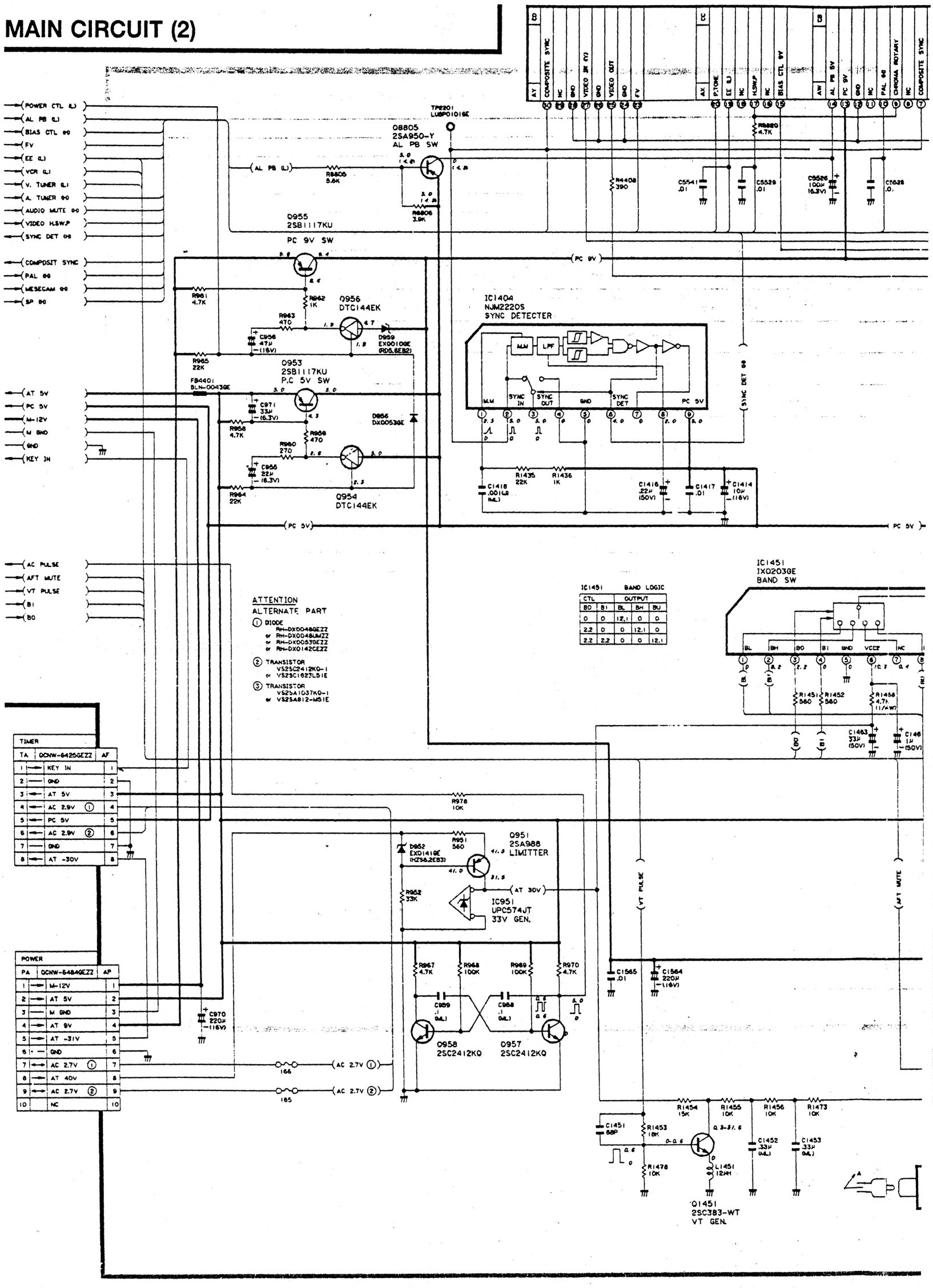


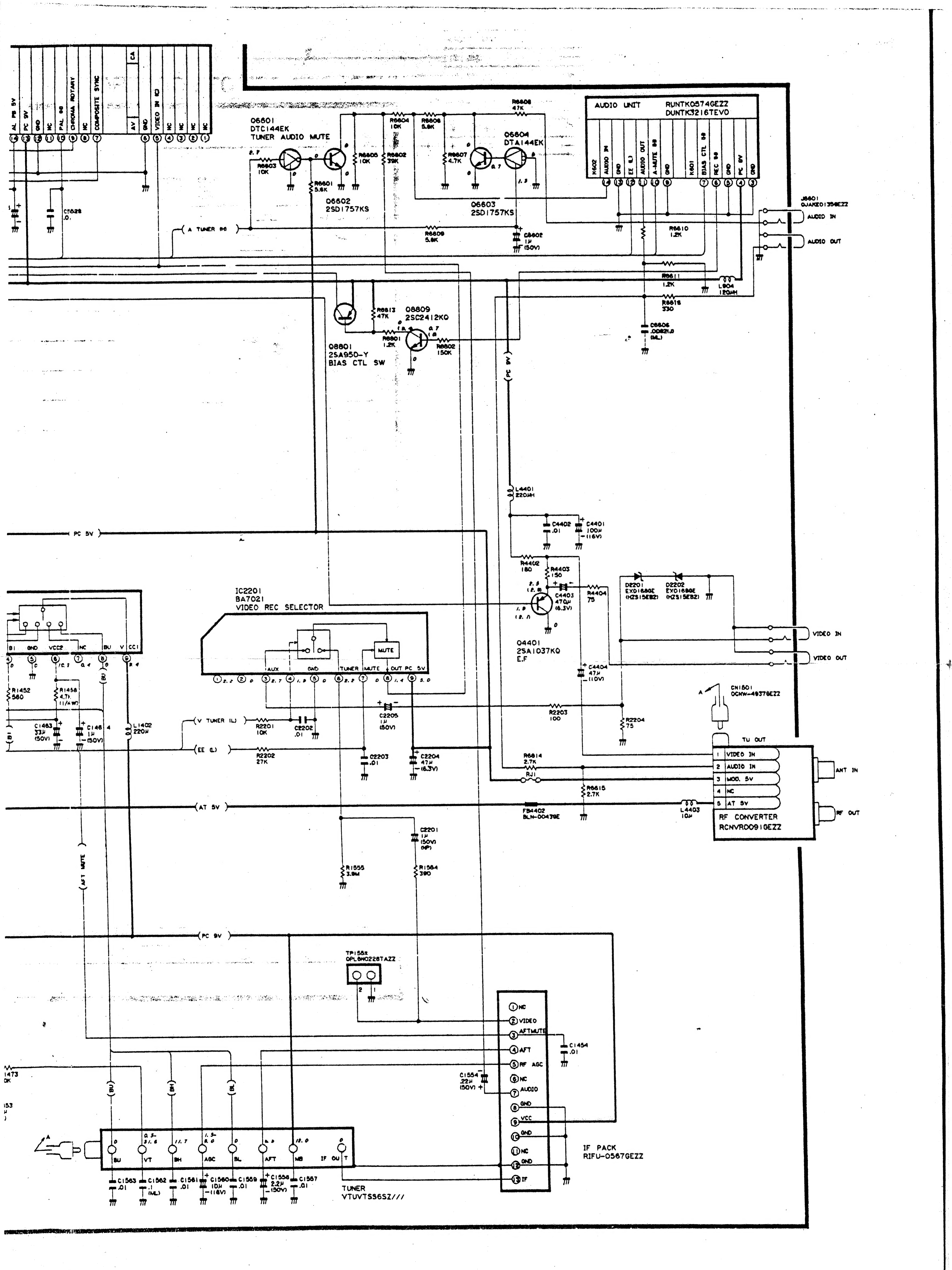
MAIN CIRCUIT (2)



TMAPC0015GEZZ

MAIN CIRCUIT (2)





TMAPC0015GEZZ

Y/C CIRCUIT